

## ABSTRACT

A rotating electric machine using an inner section of a slot of a stator as a cooling passage obtains highly effective cooling performance with a small amount of cooling medium. An opening for a slot in a stator is closed by an under plate having a closing member. A regulating plate is disposed which is a member for regulating the cross-sectional area of the passage in substantially a central section of the slot. In this manner, the cross-sectional area of the cooling passage with the plate in the slot is smaller than the cross-sectional area when the regulating plate is not provided by an area corresponding to the cross-sectional area of the regulating plate. This arrangement allows increases in cooling efficiency.